Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/15/2022 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124594	-1	1.41	124476	1.39
Blue	F	SSC	125000	124804	-1	2.97	125276	2.75
Blue	E	FITC	15860	15341	-4	2.24	373	14.37
Blue	D	PE	27718	27317	-2	1.76	637	10.45
Blue	B	PerCP-Cy5-5	38046	37215	-3	2.97	1018	14.97
Blue	A	PE-Cy7	26092	26049	-1	4.84	510	30.75
Red	C	APC	49104	48491	-2	2.53	1716	11.42
Red	A	APC-Cy7	28201	27523	-3	2.97	726	12.38
Violet	B	V450	9904	9387	-6	3.39	521	11.81
Violet	A	V500	39004	37105	-5	2.92	969	8.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24009	1.85	572	3	N/A	N/A	Pass
Blue	F	SSC	55811	1.50	525	-3	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	3	0.0402	63	Pass
Blue	D	PE	124	37.93	500	4	0.3871	277	Pass
Blue	B	PerCP-Cy5-5	137	45.26	592	3	0.0194	67	Pass
Blue	A	PE-Cy7	63	94.35	636	4	0.0214	1	Pass
Red	C	APC	332	26.51	580	-1	0.0274	151	Pass
Red	A	APC-Cy7	97	42.62	552	-3	0.0061	1079	Pass
Violet	B	V450	85	50.09	457	-1	0.0531	2097	Pass
Violet	A	V500	121	32.48	468	-1	0.0256	1193	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.98	-31.55	1.15
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	15.19	13.90 - 20.86	N/A	N/A	29.79	30.23	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12058

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments